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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 10/720,333 | 11/25/2003 | Roderick M. Townes | 84712 3050 GNN | 3929 |

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EXAMINER

WIEHE, NATHANIEL EDWARD

ART UNIT PAPER NUMBER

3745

DATE MAILED: 12/01/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

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| APPLICATION NO./ CONTROL NO. | FILING DATE | FIRST NAMED INVENTOR / PATENT IN REEXAMINATION | ATTORNEY DOCKET NO. |
|---------------------------------|-------------|---|---------------------|

10-720-333

EXAMINER

ART UNIT

PAPER

20061128

DATE MAILED:

Please find below and/or attached an Office communication concerning this application or proceeding.

Commissioner for Patents

The following communication is intended to clarify the record. Specifically a reasons for allowance is being included. A response from Applicant is not necessary.

The following is an examiner's statement of reasons for allowance:

The instant invention is deemed to be a non-obvious improvement over the invention of GB Pat. No. 2,225,063 A. The improvement comprised the use of a plurality of flow deflectors extending from one side of the cooling gallery and engaging the other side of the cooling gallery. The structure and arrangement of GB Pat. No. 2,225,063 A's flow deflector prevents its duplication within the cooling gallery; therefore it would not have been obvious to one of ordinary skill in the art to provide a plurality of flow deflectors as claimed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Ed Look
EDWARD K. LOOK
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 3700

11/29/06